

Fig. 2

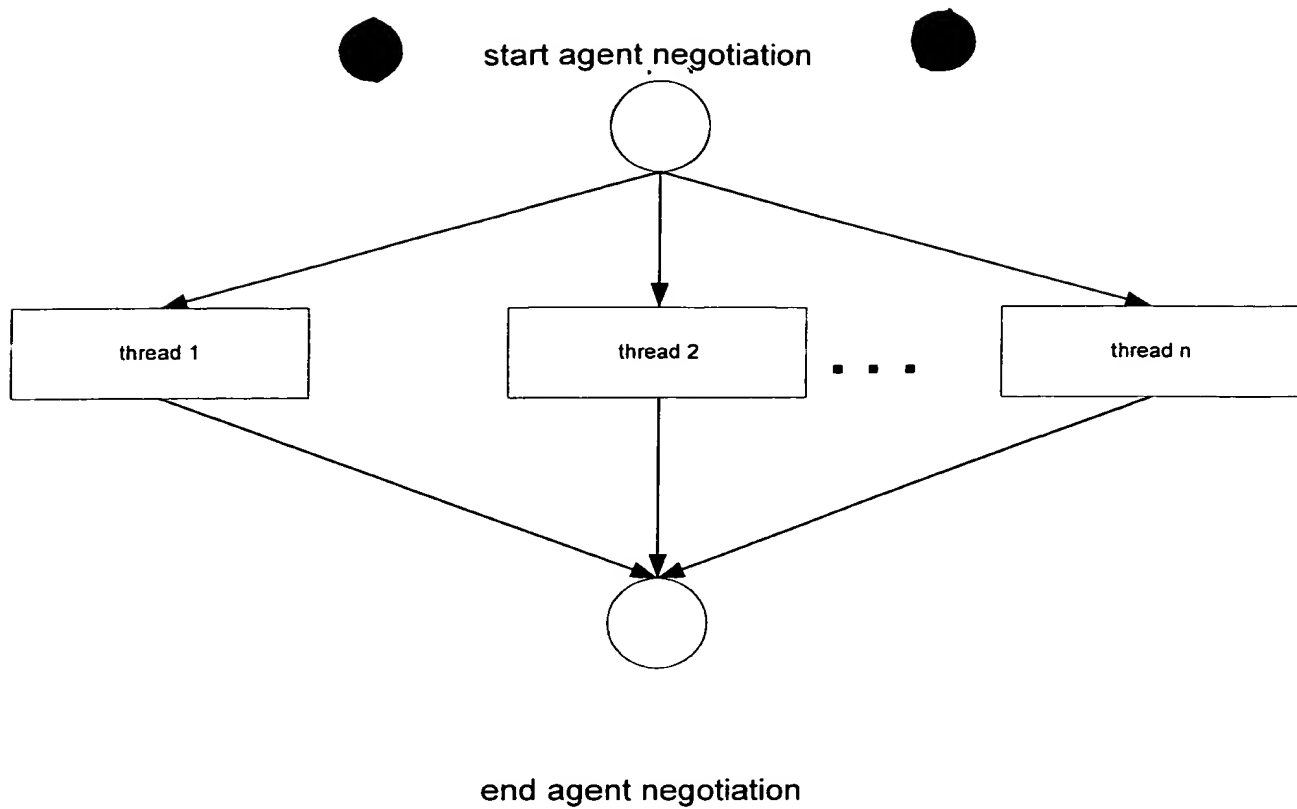


Fig. 4

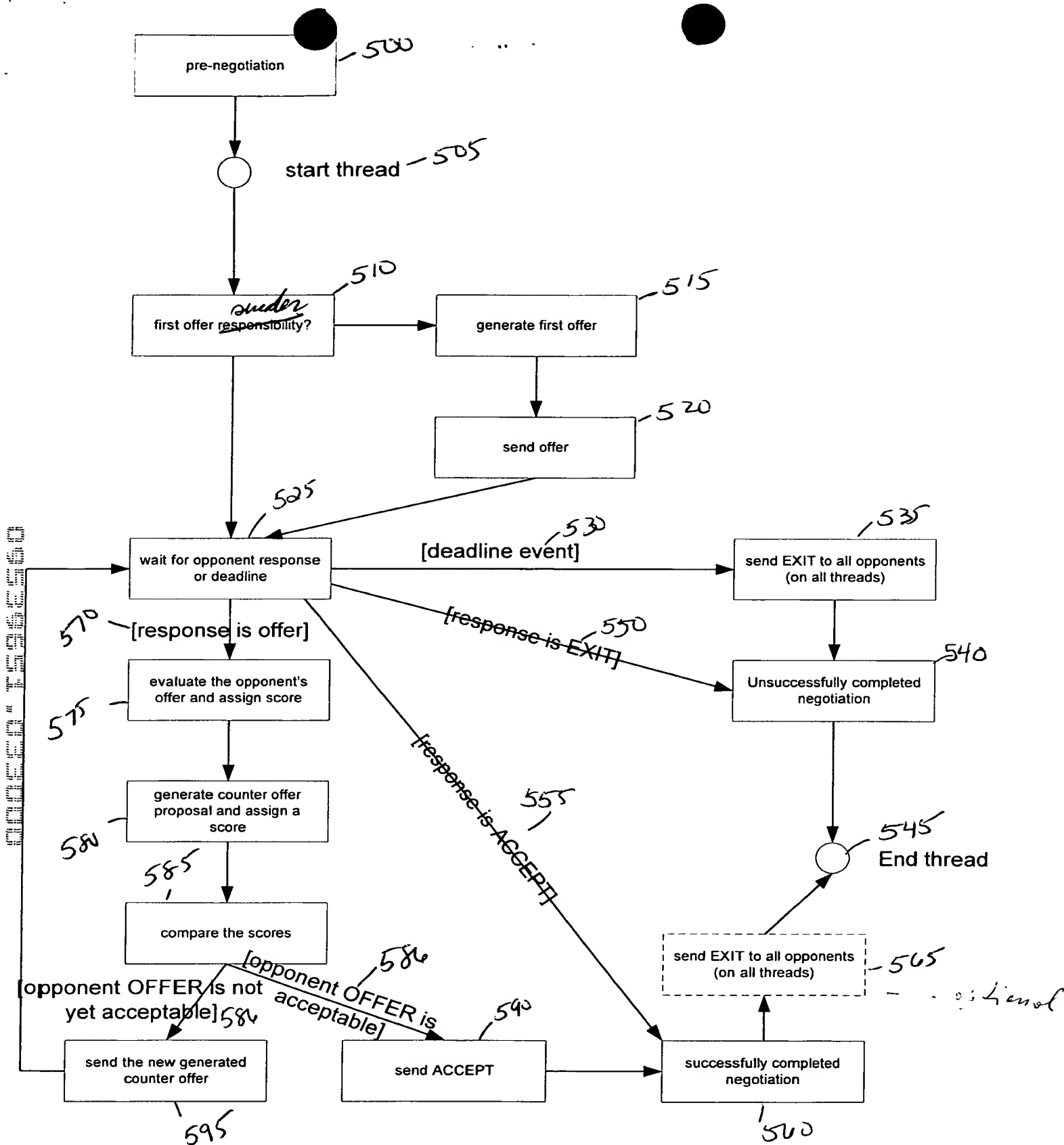


Fig. 5

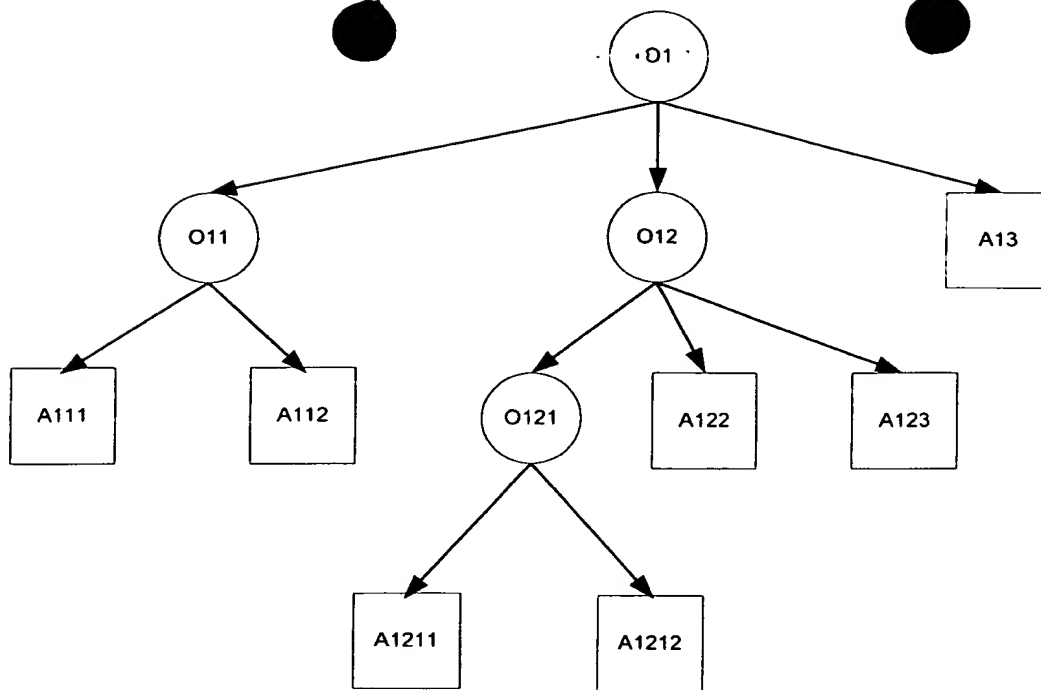


Fig. 3

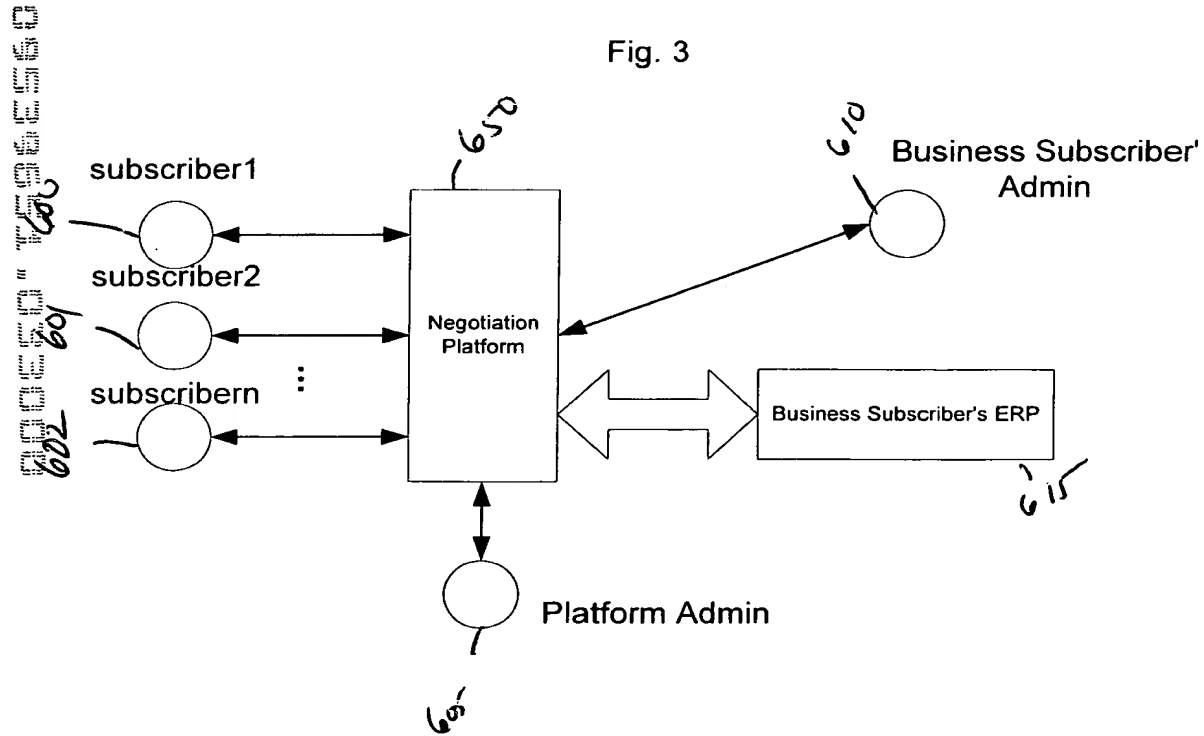


Fig. 6

The diagram illustrates a system architecture for business negotiation, divided into two main sections by a vertical dashed line. The left section, labeled 650, contains external entities: 'platform admin' (605), 'subscriber1' (606), 'subscriber2' (607), 'subscribern' (608), and 'Business admin' (610). The right section, labeled 700, contains internal components: 'user interface' (705), 'Negotiation Engine' (730), 'Database' (720), 'messaging' (715), and 'Business Rules Engine' (725). The 'Business Rules Engine' is also annotated with 'inference engine' and 'rule engine'. Bidirectional arrows connect 'platform admin' to 'subscriber1', 'subscriber1' to 'subscriber2', 'subscriber2' to 'subscribern', and 'Business admin' to 'Business Rules Engine'. Within the system, 'user interface' and 'Negotiation Engine' are connected by a bidirectional arrow. The 'Negotiation Engine' is connected to the 'Database' and 'messaging' by bidirectional arrows. The 'Database' is connected to 'messaging' by a bidirectional arrow. The 'messaging' component is connected to both the 'user interface' and the 'Business Rules Engine' by bidirectional arrows. The 'Business Rules Engine' is connected to the 'Negotiation Engine' by a bidirectional arrow. A 'business subscriber' (710) is shown outside the system boundary, connected to the 'Database' by a bidirectional arrow.

Fig. 7

```
graph TD
    UI[user interface 705]
    NEA[NegoEngine Access 810]
    DR[Database Repository 720]
    ONS[Online Negotiation Information Server 815]
    LB1[load balancer 820]
    AF[agent factory 825]
    M[marketplace 835]
    MS[messaging server 715]
    AG[agent 830]

    UI -.-> ONS
    UI -.-> NEA
    NEA -.-> DR
    NEA -.-> ONS
    ONS -.-> LB1
    LB1 -.-> AF
    LB1 -.-> M
    LB1 -.-> MS
    AF -.-> AG
    M -.-> AG
    MS -.-> AG
    AG -.-> ONS
```

Fig. 8

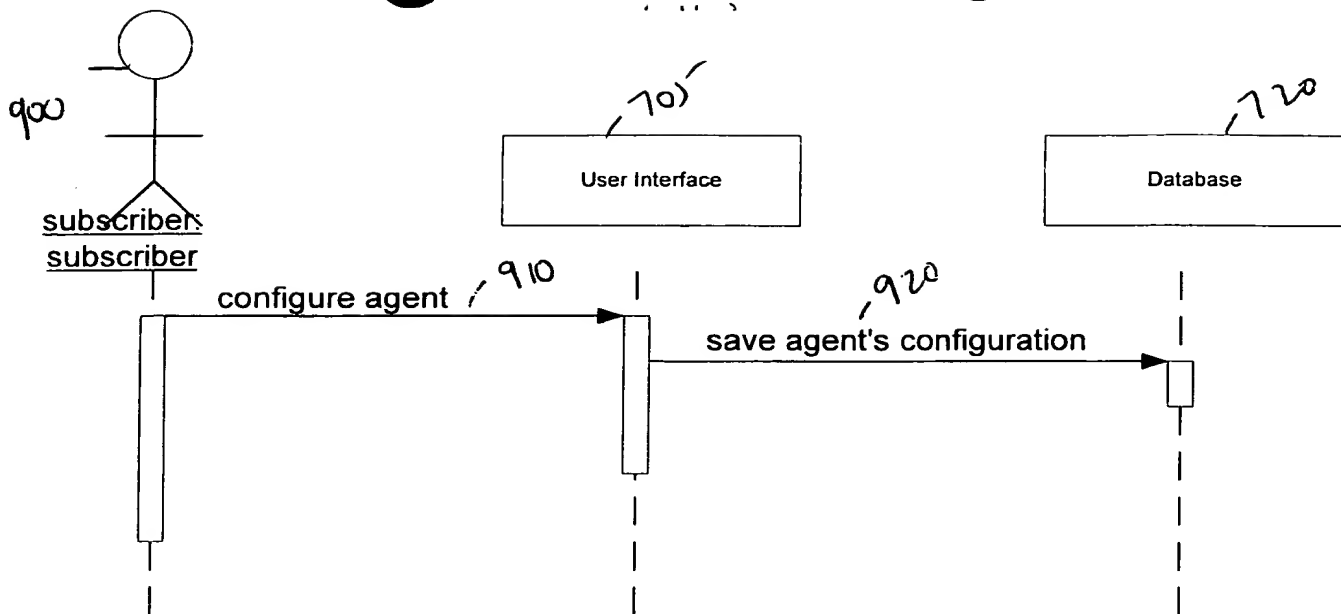


Fig. 9

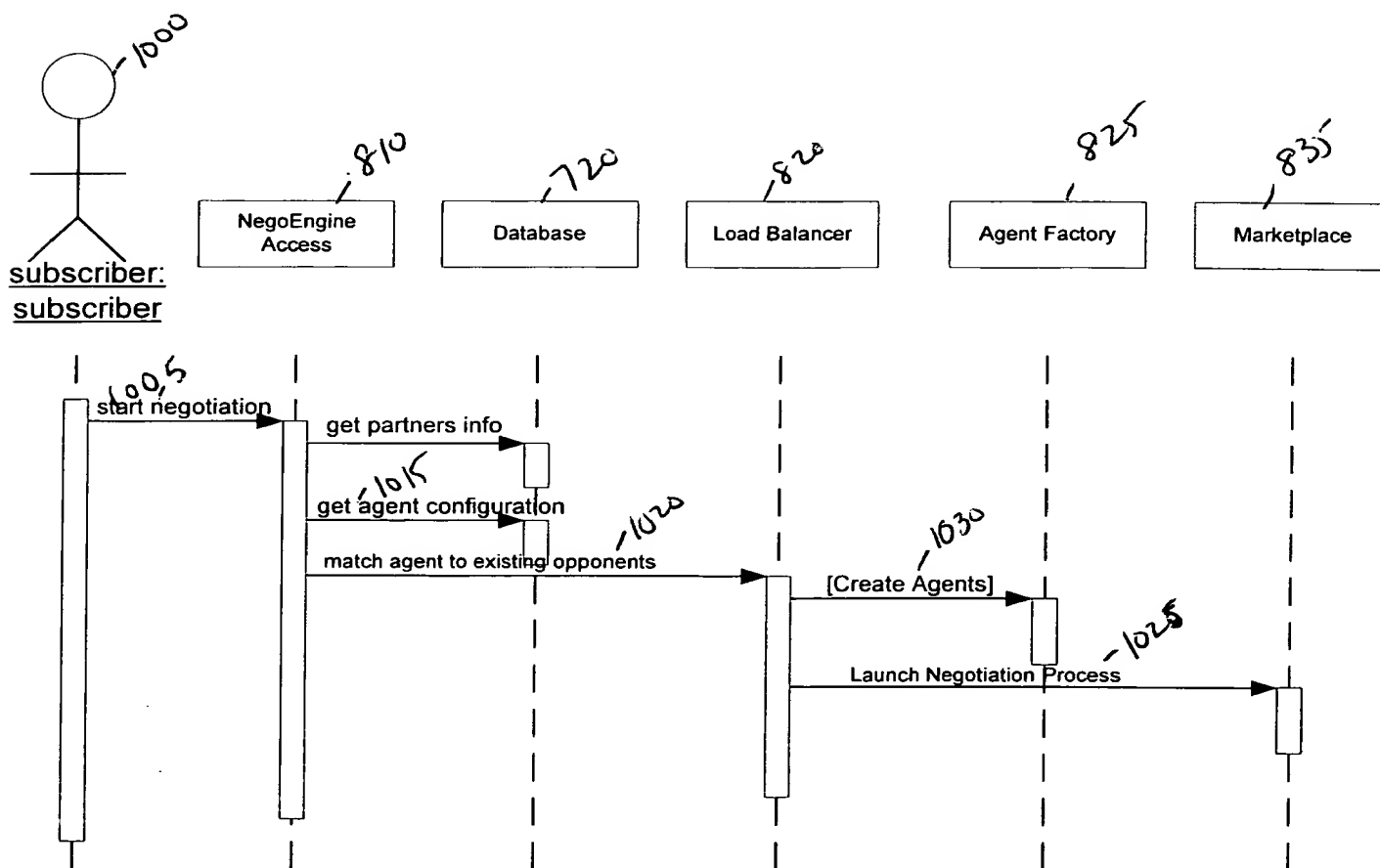


Fig. 10

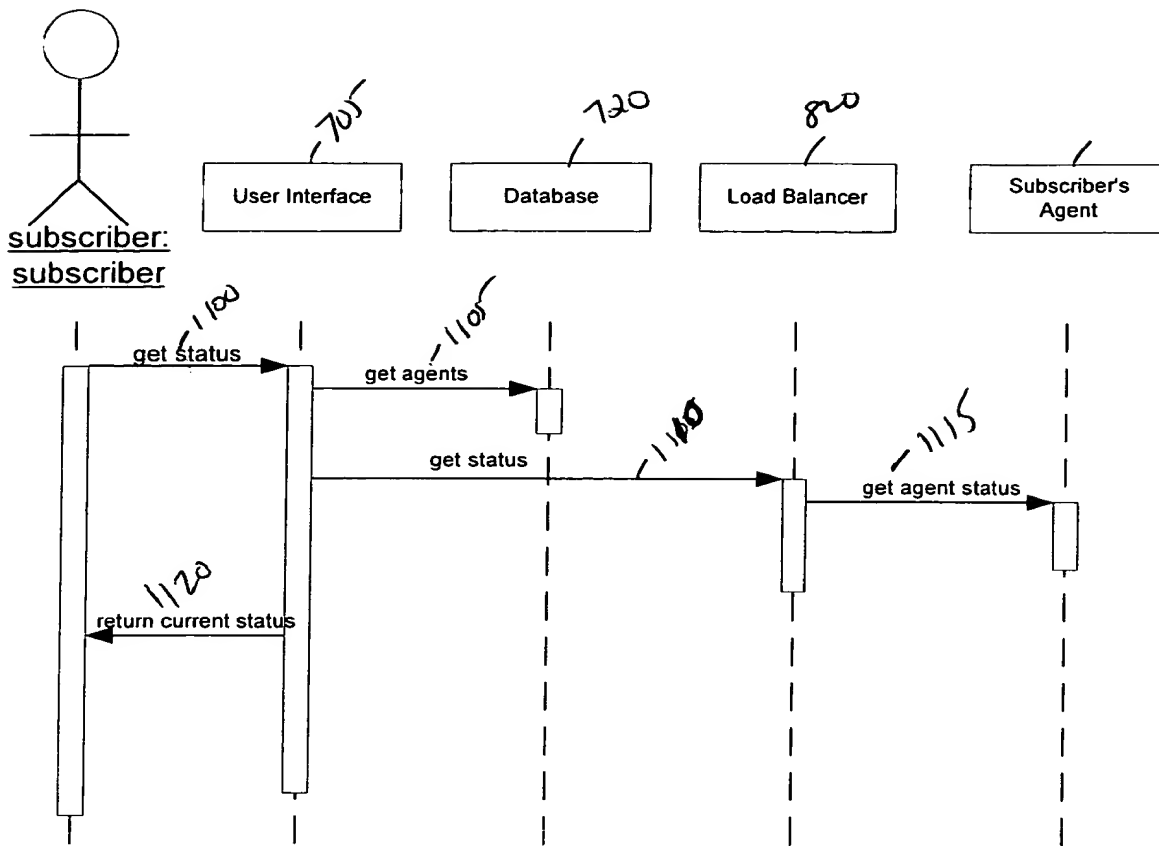


Fig. 11

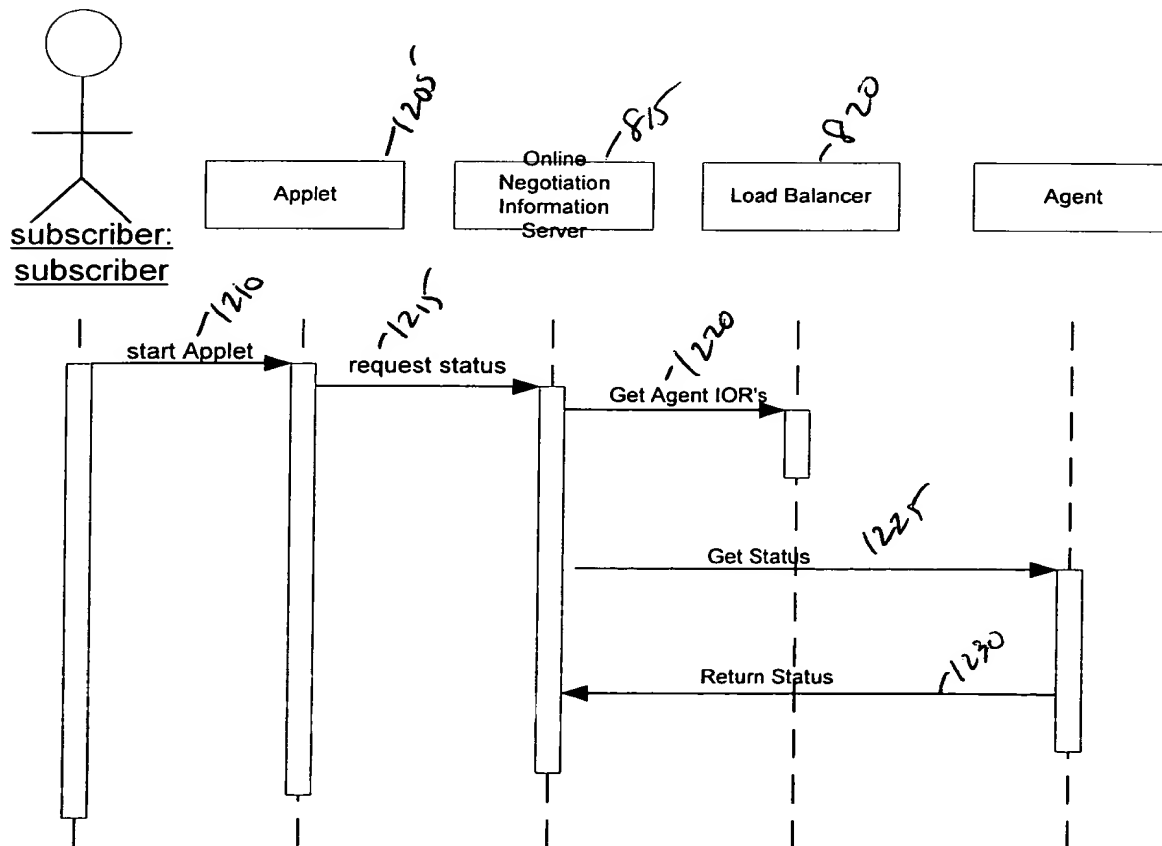


Fig. 12